“Dark Matter, dark energy, wormholes and blackholes”

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Abstract: *This paper is talks about the fact that dark matter, dark energy and negative and positive energy are being absorbed and emitted by the rotating blackholes and wormholes.*

Introduction:-

As the universe is being accelerating due to dark energy, whereas from recent research it is being observed that dark matter is being absorbed by supermassive blackholes. While writing this paper it is only derived from Einstein equations that wormholes also may exists in the universe. Besides knowing that, this paper argues that some of the blackholes which are being observed right now by the astronomers are the wormholes as positive and negative energy can coexist in the universe.

Observations:-

It is recently being observed by physicist that supermassive blackhole is being formed due to absorbing dark matter whereas as we know dark matter and dark energy interacts. Since dark matter and dark energy interacts which suggests that most of the rotating blackholes are not only being absorbing dark matter but also dark energy. And there is known fact about the wormholes that wormhole only exists if there both throats is feed with the negative energy then only they can exists but from the observations it can be concluded that rotating wormholes not only absorbs negative energy but also dark energy, dark matter.

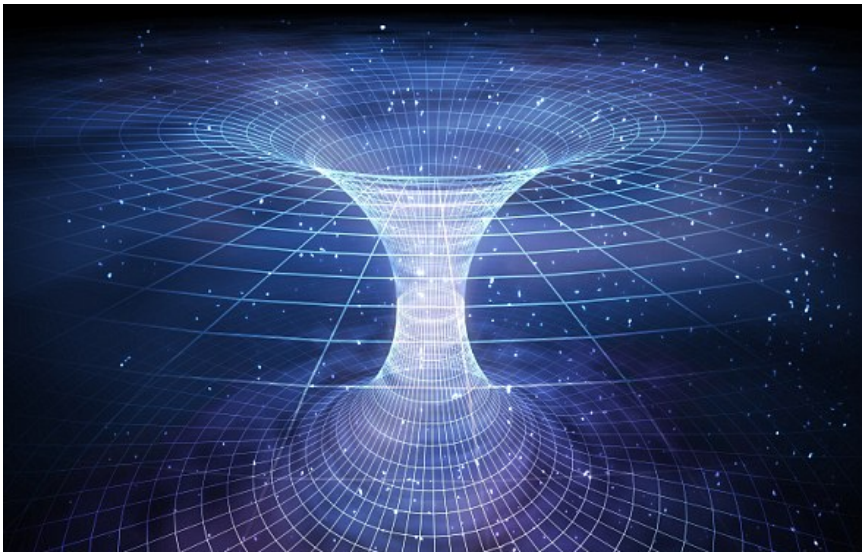

Fig.1. Wormhole with two throats.

Conclusion:-

In our universe, some of the rotating blackholes that are being currently observed by astronomers, are the wormholes and they absorbs and emits dark energy, dark matter, negative and positive energy.

References:-

1. The accurate mass distribution of M87, the Giant Galaxy with imaged shadow of its supermassive black hole, as a portal to new Physics - Mariafelicia De Laurentis and Paolo Salucci.
2. Wormholes and ringholes in a dark-energy universe - Pedro F. Gonz´alez-D´ıaz .
3. Dark energy and supermassive black holes - Pedro F. Gonz´alez-D´ıaz.
4. Dark energy, wormholes, and the Big Rip - V. Faraoni1 and W. Israel .
5. Interactions between Dark Energy and Dark Matter .
6. An explanation for dark matter and dark energy consistent with the standard model of particle physics and General Relativity - A. Deur
7. Is the State of Low Energy Stable? Negative Energy, Dark Energy and Dark Matter - Hyoyoung Choi